

OXYVINYLS® 450FO, 500FB, AND 226FEP PVC HOMOPOLYMER SUSPENSION RESIN  
M45497\_NA\_US

REVISION DATE: Aug 17 2006



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Oxy Vinyls, LP  
5005 LBJ Freeway  
Suite 500, LB 30

Dallas, Texas 75244-6123

24 HOUR EMERGENCY TELEPHONE:

1-800-733-3665 or 1-972-404-3228 (U.S.);

32.3.575.55.55 (Europe);

1800-033-111 (Australia)

TO REQUEST AN MSDS:

MSDS@oxy.com or 1-972-404-3245

CUSTOMER SERVICE:

1-800-752-5151 or 1-972-404-3700

MSDS NUMBER: M45497

SUBSTANCE: OXYVINYLS® 450FO, 500FB, AND 226FEP PVC HOMOPOLYMER  
SUSPENSION RESIN

TRADE NAMES:

OxyVinyls® 450FO; OxyVinyls® 500FB; OxyVinyls® 226FEP; OxyVinyls® 25FB

PRODUCT USE: vinyl fabrication

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### 2. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=0 FIRE=1 REACTIVITY=0

HMIS RATINGS (SCALE 0-4): HEALTH=0 FLAMMABILITY=1 REACTIVITY=0

### EMERGENCY OVERVIEW:

OXYVINYLS® 450FO, 500FB, AND 226FEP PVC HOMOPOLYMER SUSPENSION RESIN  
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**COLOR:** white

**PHYSICAL FORM:** powder, granules

**SIGNAL WORD:** CAUTION

**MAJOR HEALTH HAZARDS:** FUMES PRODUCED IN PROCESSING MAY IRRITATE RESPIRATORY TRACT, SKIN AND EYES. POLYVINYL CHLORIDE CONTAINS VINYL CHLORIDE. VINYL CHLORIDE IS A CANCER-SUSPECT AGENT.

**PRECAUTIONARY STATEMENTS:** Avoid breathing dust. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Wash thoroughly after handling. Use only with adequate ventilation.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:**

**SHORT TERM EXPOSURE:** irritation

**LONG TERM EXPOSURE:** to our knowledge, no effects are known

**SKIN CONTACT:**

**SHORT TERM EXPOSURE:** mechanical irritation

**LONG TERM EXPOSURE:** to our knowledge, no effects are known

**EYE CONTACT:**

**SHORT TERM EXPOSURE:** mechanical irritation

**LONG TERM EXPOSURE:** to our knowledge, no effects are known

**INGESTION:**

**SHORT TERM EXPOSURE:** to our knowledge, no effects are known

**LONG TERM EXPOSURE:** to our knowledge, no effects are known

**CARCINOGEN STATUS:**

**OSHA:** No

**NTP:** No

**IARC:** No

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**3. COMPOSITION, INFORMATION ON INGREDIENTS**

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**COMPONENT:** POLYVINYL CHLORIDE

**CAS NUMBER:** 9002-86-2

**PERCENTAGE:** 99.7-100

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**4. FIRST AID MEASURES**

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**INHALATION:** If adverse effects occur, remove to uncontaminated area. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**SKIN CONTACT:** Wash contaminated areas with soap and water. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**EYE CONTACT:** Flush eyes with plenty of water for at least 15 minutes. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.



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**INGESTION:** No hazard expected. IF LARGE AMOUNTS ARE INGESTED, GET MEDICAL ATTENTION.

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## 5. FIRE FIGHTING MEASURES

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**FIRE AND EXPLOSION HAZARDS:** Slight fire hazard. Although unlikely, dust/air mixtures may pose a limited risk of explosion under certain conditions (see section 7).

**EXTINGUISHING MEDIA:** Use extinguishing agents appropriate for surrounding fire.

**FIRE FIGHTING:** Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Wear NIOSH approved positive-pressure self-contained breathing apparatus. Cool extinguished material to prevent decomposition.

**SENSITIVITY TO MECHANICAL IMPACT:** Not sensitive

**SENSITIVITY TO STATIC DISCHARGE:** Electrostatic charges may build up during handling. Grounding of equipment is recommended.

**FLASH POINT:** 736 F (391 C) (ASTM D 1929)

**AUTOIGNITION:** 849 F (454 C)

### HAZARDOUS COMBUSTION PRODUCTS:

Thermal decomposition products or combustion: hydrochloric acid, oxides of carbon, small amounts of benzene and aromatic and aliphatic hydrocarbons

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## 6. ACCIDENTAL RELEASE MEASURES

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### OCCUPATIONAL RELEASE:

Eliminate all sources of ignition. To minimize dust, vacuum cleaning is preferred. Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

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## 7. HANDLING AND STORAGE

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**STORAGE:** Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Store in a cool, dry place. Store in a well-ventilated area. Avoid heat, flames, sparks and other sources of ignition. Grounding of equipment is recommended.

**HANDLING:** Use methods to minimize generation of dust. PVC dust is capable of propagating a secondary dust explosion. This potential can be reduced by good housekeeping, prevention of dust from process

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equipment, preventing accumulation of dust on overhead, horizontal surfaces and eliminating potential ignition sources. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. PVC resin processing may result in the release of low levels of vinyl chloride. Use only with adequate ventilation.

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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### EXPOSURE LIMITS:

OXYVINYLS® 450FO, 500FB, AND 226FEP PVC HOMOPOLYMER SUSPENSION RESIN:  
NUISANCE PARTICULATES (NUISANCE DUST):

15 mg/m<sup>3</sup> OSHA TWA (total dust)

10 mg/m<sup>3</sup> ACGIH TWA (inhalable particulate)

**VENTILATION:** Provide local exhaust ventilation where dust or fumes may be generated. Ensure compliance with applicable exposure limits.

**EYE PROTECTION:** Safety glasses or goggles are recommended when there is a potential for eye contact.

**CLOTHING:** Wear suitable protective clothing.

**GLOVES:** Wear suitable gloves.

**PROTECTIVE MATERIAL TYPES:** polyvinyl chloride (PVC), Tyvek®

**RESPIRATOR:** A NIOSH approved respirator with N95 filters may be permissible under certain circumstances.

A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL STATE:** solid

**COLOR:** white

**PHYSICAL FORM:** powder, granules

**ODOR:** Not available

**MOLECULAR FORMULA:** (C<sub>2</sub>H<sub>3</sub>Cl)<sub>n</sub>

**BOILING POINT:** Not applicable

**MELTING POINT:** Not available

**VAPOR PRESSURE:** Not applicable

**VAPOR DENSITY:** Not applicable

**SPECIFIC GRAVITY (water=1):** 1.4

**DENSITY:** 1.4 g/mL

**WATER SOLUBILITY:** negligible

**PH:** Not applicable



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**VOLATILITY:** Not applicable  
**ODOR THRESHOLD:** Not available  
**EVAPORATION RATE:** Not applicable  
**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not available

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## 10. STABILITY AND REACTIVITY

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**REACTIVITY:** Stable at normal temperatures and pressure.

**CONDITIONS TO AVOID:** Avoid heat, flames, sparks and other sources of ignition.

**INCOMPATIBILITIES:** None known.

### HAZARDOUS DECOMPOSITION:

Thermal decomposition products or combustion: hydrochloric acid, oxides of carbon, small amounts of benzene and aromatic and aliphatic hydrocarbons

**POLYMERIZATION:** PVC is a stable polymer material and will not further polymerize. This material will not depolymerize to form VCM.

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## 11. TOXICOLOGICAL INFORMATION

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### OXYVINYLS® 450FO, 500FB, AND 226FEP PVC HOMOPOLYMER SUSPENSION RESIN:

**TOXICITY DATA:** This material is practically non-toxic by the oral route. This material is unlikely to cause chemical skin irritation. Mechanical irritation may occur. Eye irritation may occur from the mechanical action of lodged particles.

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## 12. ECOLOGICAL INFORMATION

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### ECOTOXICITY DATA:

**FISH TOXICITY:** No data available. This material is believed to be practically non-toxic to aquatic life.

### FATE AND TRANSPORT:

**BIODEGRADATION:** PVC will not biodegrade. Vinyl chloride may degrade under anaerobic conditions.

**PERSISTENCE:** This material will persist in the environment.

**BIOCONCENTRATION:** This material will not bioaccumulate.

**OTHER ECOLOGICAL INFORMATION:** This material is believed to be practically non-toxic to terrestrial organisms.

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### 13. DISPOSAL CONSIDERATIONS

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Reuse or reprocess if possible. Dispose in accordance with all applicable regulations.

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### 14. TRANSPORT INFORMATION

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**U.S. DEPARTMENT OF TRANSPORTATION:** Not regulated.

**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:** Not regulated.

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### 15. REGULATORY INFORMATION

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#### U.S. REGULATIONS:

**CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):**

Vinyl chloride: 1 LBS RQ

**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):** Not regulated.

**SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):**

ACUTE: No

CHRONIC: No

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

**SARA TITLE III SECTION 313 (40 CFR 372.65):** Not regulated.

**OSHA PROCESS SAFETY (29CFR1910.119):** Not regulated.

**OTHER U.S. REGULATIONS:** OSHA 29 CFR 1910.1017 (Vinyl chloride): The U.S. Department of Labor, Occupational Safety and Health Administration specifically regulates manufacturing, handling and processing of polyvinyl chloride. Such regulations have been published as 29 CFR 1910.1017. It is necessary that handlers and processors of polyvinyl chloride be familiar with these regulations. This resin may contain trace levels of vinyl chloride ranging from 0 to 0.001%. Under normal working conditions with adequate ventilation, neither the OSHA 8-hour TWA-PEL of 1.0 ppm, the 0.5 ppm action level, nor the C/STEL of 5.0 ppm should be exceeded. The workplace should be monitored, and if the level exceeds the PELs or action levels, refer to 29 CFR 1910.1017. In addition, all containers of PVC Resin shall be legibly labeled with the following warning: POLYVINYL CHLORIDE CONTAINS VINYL CHLORIDE. VINYL CHLORIDE IS A CANCER-SUSPECT AGENT.

#### STATE REGULATIONS:



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**California Proposition 65:**

Known to the state of California to cause the following:

Vinyl chloride

Cancer (Feb 27, 1987)

**NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW:****REPORTING REQUIREMENT:**

POLYVINYL CHLORIDE 9002-86-2 99.7-100%

**RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST:**

Not regulated.

**SPECIAL HEALTH HAZARD SUBSTANCE LIST:**

Not regulated.

**PENNSYLVANIA RIGHT TO KNOW:****REPORTING REQUIREMENT:**

POLYVINYL CHLORIDE 9002-86-2 99.7-100%

**HAZARDOUS SUBSTANCE LIST:**

Not regulated.

**ENVIRONMENTAL HAZARDOUS SUBSTANCE LIST:**

Not regulated.

**SPECIAL HAZARDOUS SUBSTANCE LIST:**

Not regulated.

**CANADIAN REGULATIONS:****WHMIS CLASSIFICATION:** Not a Controlled Product under Canada's Workplace Hazardous Material Information System.**NATIONAL INVENTORY STATUS:****U.S. INVENTORY (TSCA):** All the components of this substance are listed on or are exempt from the inventory.**TSCA 12(b) EXPORT NOTIFICATION:** Not listed.**CANADA INVENTORY (DSL/NDL):** All components of this product are listed on the DSL.

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**16. OTHER INFORMATION**

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**MSDS SUMMARY OF CHANGES****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****2. HAZARDS IDENTIFICATION**

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3. COMPOSITION, INFORMATION ON INGREDIENTS
5. FIRE-FIGHTING MEASURES
7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS, PERSONAL PROTECTION

**IMPORTANT:** The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. **NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SUITABILITY, STABILITY OR OTHERWISE.** The information included herein is not intended to be all-inclusive as to the appropriate manner and/or conditions of use, handling and/or storage. Factors pertaining to certain conditions of storage, handling, or use of this product may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended to, and nothing herein shall be construed as a recommendation to, infringe any existing patents or violate any laws, rules, regulations or ordinances of any governmental entity.



Mon May 07 2007 13:29 CDT REF:13312253 FR:ExxonMobil

TO:6188746773

Pg: 2 OF 2

## ADVANCED SHIPMENT NOTICE

SHIPMENT NO. 2073420

FROM: ExxonMobil Chemical Company (Division of Exxon Mobil Corporation) STATUS: Shipment Loaded

TO: EXXONMOBIL CHEMICAL CO - US  
 C/O EE-JAY MOTOR TRANSPORTS INC  
 U.P. YARD 4 TRACK 768  
 MINNEAPOLIS MN 55145  
 USA

## THIS IS TO CONFIRM THE FOLLOWING SHIPMENT:

Ship Date: 07-May-2007 Delivery Date: 19-May-2007  
 Shipping From: US16 - M0102 BRPO - POLYETHYLENE  
 AT SCENIC HIGHWAY, BATON ROUGE, LA 70807, USA  
 Name of Carrier: CN-BATON-UP

Customer Reference:

Order Reference: 4910396959 / 82951434

Gross Weight: 275800.001 LB  
 Tare Weight: 67000 LB  
 Net Weight: 208800.001 LB

## SHIPMENT DETAILS

LINE: 1 PRODUCT CODE/DESCRIPTION: 5002433 / PAXON AD60-007 PKG DESC: BULK BLK Bulk Grains (dry go)  
 CUSTOMER PRODUCT CODE: ORD. QTY: 208800 LB  
 MODE: Rail (ST) PRODUCT WT: 208,800 LB PACKAGED WT: 208,800 LB PKG WT:  
 NO PKGS: PRODUCT VOL: PACKAGED VOL:  
 COEFF: WT/VOL STD TEMP: 0.000 LOAD TEMP: SHELL CAP:  
 COMPT NO: API BATCH NO: 7508532 WT/VOL LOAD TEMP:  
 PO: VEH NO: XOMX710238  
 SEALS: 135707

TOTAL PKGS: TOTAL NET WT: 208,800 LB TOTAL PKG WT: TOTAL FREIGHT WT: 208,800 LB

## INSTRUCTIONS

53,740  
 only Remain  
 in Compt B

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Chemical

## MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

PAXON HDPE

PAGE: 1  
DATE PREPARED: MAY 4, 2000  
MSDS NO.: 96670000

### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** PAXON HDPE

**CHEMICAL NAME:**

Polyethylene or Ethylene-Olefin Copolymer

**CHEMICAL FAMILY:**

Ethylene-Based Polymer

**PRODUCT DESCRIPTION:**

Odorless opaque white pellets or granules.

#### CONTACT ADDRESS:

ExxonMobil Chemical Company,  
P.O. Box 3272, Houston, Texas 77253-3272

\*\* EMERGENCY TELEPHONE NUMBERS: (24 Hours) \*\*  
\*\* CHEMTREC (800) 424-9300 \*\*  
\*\* ExxonMobil Chemical Company (800) 726-2015 \*\*

NON EMERGENCY TELEPHONE NUMBERS : (8am-5pm M-F)

FOR HEALTH AND SAFETY INFORMATION CALL : (281) 870-6884

FOR GENERAL PRODUCT INFORMATION CALL : (281) 870-6000

### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

This product is not hazardous as defined in 29 CFR1910.1200

### SECTION 3 HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

##### EYE CONTACT:

Particulates may scratch eye surfaces/cause mechanical irritation.

##### SKIN CONTACT:

Negligible hazard at ambient temperatures (-18 to +38 degrees C; 0 to 100 degrees F).

Exposure to hot material may cause thermal burns.

##### INHALATION:

Negligible hazard at ambient temperature (-18 to 38 Deg C; 0 to 100 Deg F)

Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

##### INGESTION:

Minimal toxicity.

### SECTION 4 FIRST AID MEASURES

#### EYE CONTACT:

This product is an inert solid. If in eye, remove as one would any foreign object.



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**PAXON HDPE**

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### SKIN CONTACT:

For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

### INHALATION:

In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

### INGESTION:

First aid is normally not required.

## SECTION 5 FIRE-FIGHTING MEASURES

### FLASH POINT:

649 Deg F. NOTE: Estimated Minimum

### FLAMMABLE LIMITS:

NOTE: Not applicable

### AUTOIGNITION TEMPERATURE:

649 Deg F. NOTE: Estimated Minimum

### GENERAL HAZARD

Solid material, may burn at or above the flashpoint, and airborne dust may explode if ignited.

If thermally decomposed, flammable/toxic gases may be released.

Toxic gases will form upon combustion.

Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge.

### FIRE FIGHTING

Use water spray to cool fire exposed surfaces, protect personnel, and extinguish the fire.

Respiratory and eye protection required for fire fighting personnel.

### DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

Under Oxygen lean conditions, Carbon Monoxide (CO) and irritating smoke may be produced.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### LAND SPILL

Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

### WATER SPILL

Plastic pellets are defined by the US EPA under the Clean Water Act (40CFR122.26) as a "significant material" which requires any industrial plant that may expose pellets to storm water to secure a storm water permit. Violations of the rule carry the same penalties as other Clean Water Act violations. Pellets found in storm water runoff are subject to EPA regulations with the potential for substantial fines and penalties. Skim from surface.

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**PAXON HDPE**

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Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.  
Recover the spilled material and place in suitable containers for recycle or disposal.

### SECTION 7 STORAGE AND HANDLING

#### ELECTROSTATIC ACCUMULATION HAZARD:

Yes, use proper bonding and/or grounding procedure.

#### STORAGE TEMPERATURE, °F:

Ambient

#### LOADING/UNLOADING TEMPERATURE, °F:

Ambient

#### STORAGE/TRANSPORT PRESSURE, mmHg:

Atmospheric

#### LOADING/UNLOADING VISCOSITY, cSt:

Solid

#### STORAGE AND HANDLING:

Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials.  
Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.  
Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### EXPOSURE CONTROLS

Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

#### PERSONAL PROTECTION

For open systems at ambient temperature (-18 to 38 degrees C) where contact is likely, wear safety glasses with side shields.  
Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield.

#### WORKPLACE EXPOSURE GUIDELINES

#### OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:

5 mg/m3 (respirable dust), and 15 mg/m3 (total dust) based on the OSHA PEL for nuisance dust.

The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity.

Although the 1989 levels have since been vacated by the 11th Circuit Court of Appeals, ExxonMobil Chemical Company recommends that the lower exposure levels be observed as reasonable worker protection.

#### THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:

A TWA of 10 mg/m3 for inhalable particulate (total dust) and a TWA of 3 mg/m3 for respirable particulate (total dust) for Particulates.  
Not Otherwise Classified (PNOC).



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### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>SPECIFIC GRAVITY, at °F:</b> 0.92 - 0.970	<b>VAPOR PRESSURE, mmHg at °F:</b> Not available
<b>SOLUBILITY IN WATER, wt. % at °F:</b> Insoluble	<b>VISCOSITY OF LIQUID, cSt at °F:</b> Not applicable
<b>SP. GRAV. OF VAPOR, at 1 atm (Air=1):</b> Not applicable	<b>FREEZING/MELTING POINT, °F:</b> See Notes in Section 16
<b>EVAPORATION RATE, n-Bu Acetate=1:</b> Not applicable	<b>BOILING POINT, °F:</b> Not applicable

### SECTION 10 STABILITY AND REACTIVITY

**STABILITY:**

Stable

**CONDITIONS TO AVOID INSTABILITY:**

Temperatures over 650 F ( 343 C) will  
lead to resin degradation and  
decomposition

**HAZARDOUS POLYMERIZATION:**

Will not occur

**CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION:**

Not Applicable

**MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:**

Fluorine

Strong Oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Flammable Hydrocarbons

### SECTION 11 TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

### SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

### SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6, and 15 for disposal and regulatory information.

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Chemical**MATERIAL SAFETY DATA SHEET**ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation**PAXON HDPE**PAGE: 5  
DATE PREPARED: MAY 4, 2000  
MSDS NO.: 96670000**SECTION 14 TRANSPORT INFORMATION****DEPARTMENT OF TRANSPORTATION (DOT):**

This product is not DOT regulated.

**SECTION 15 REGULATORY INFORMATION****TSCA:**

This product is listed on the TSCA Inventory.

**CERCLA:**

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

**SARA TITLE III:**

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:  
Not Hazardous.

This product does not contain Section 313 Reportable Ingredients.

**SECTION 16 OTHER INFORMATION****NOTES:****Polymer CAS Numbers:**

For polyethylene homopolymer grades:	9002-88-4
For ethylene/butene copolymer grades:	25087-34-7
For ethylene/hexene copolymer grades:	25213-02-9

**Melting Point Ranges:**

HDPE:	265 to 280 Deg F. (129 to 137.5 Deg C)
LLDPE:	240 to 265 Deg F. (115 to 129 Deg C)

National Fire Protection Association standards NFPA 654 and 68 indicate possible explosion hazard of dust particles. Conform accordingly.

Avoid accumulation of dust or dust clouds; operate handling and storage systems leak free, practice good housekeeping.

Keep from sources of ignition. Do not store near heat, flame, or strong oxidants.

Assure proper electrical grounding of all handling equipment.

For more information see "Guide for Handling and Storage of ESCORENE Polyethylene Resins."

Product may also contain varying levels of additives, such as slip and antiblocking agents (talc or silica), antioxidants, stabilizers, and corrosion inhibitors. Certain grades may contain cristobalite, a form of crystalline silica, as an additive that is encapsulated in the polymer. Inhaled crystalline silica in an occupational environment has been classified as a Group 1 human carcinogen by the International Agency for



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Research on Cancer. However, ExxonMobil Chemical Company has assessed the potential for release of silica to the air when this polymer is handled and has determined that silica encapsulated in this polymer is not expected to pose a health hazard when processed under normal conditions of use.

### SPECIAL PRECAUTIONS:

Should significant vapors/fumes be generated during thermal processing of this product, it is recommended that work stations be monitored for the presence of thermal degradation by-products which may evolve at elevated temperatures (for example, formaldehyde and acrolein). Processors of this product should assure that adequate ventilation or other controls are used to control exposure.

It is recommended that the current ACGIH-TLVs for thermal degradation by-products be observed. Contact your ExxonMobil Representative for further information.

Representative Paxon HDPE grades may include:

EA55-003	EA60-007	EE60-007	FD60-018
FE60-018	4261A Q450	4700	AA45-004
AA55-003	AA60-003	AB40-003	AB50-003
AB55-003	AC40-003	AD60-007	AF50-003
AF60-007	AG45-004	AK53-004	AL55-003
AM55-003	AS55-003	AT55-003	AU55-003
BA46-055	BA50-100	BA50-120	BA53-035
BA53-058	BC50-100		
AX40-003	AX50-003	AX50-200	AX55-003
AX60-007	BX50-100	BX53-035	BX53-058

### HAZARD RATING SYSTEMS:

This information is for people trained in:  
National Paint & Coatings Association's (NPCA)  
Hazardous Materials Identification System (HMIS)  
National Fire Protection Association (NFPA 704)  
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0

KEY  
4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal